BRUHAT BANAGLORE MAHANAGARA PALIKE

Project Division

Rajajrajeshwari Nagara

DETAILED ESTIMATE

Name of Work: Providing Play Equipments (out Door Gym) in Jalahalli Govt School in ward no 16.

			Estimate Amount :						5000000.00
Sl. No.	**Particulars**	**Unit / Rate**	**Nos**	**L in m**	**B in m**	**D in m**	**Quantity**		**Total Amount in Rs**
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No141., I.No.19.1 of KPWD S.R 2015-16).								
		Cum							
	Two separate outdoor gym for Gents and ladies								
	Earthwork for leveling and lowering of ground								
	10mx10m		2	10	10.00	0.20	40.00		
	Earthwork for foundation of Outdoor Gym Equipments								
	0.6mx0.6mx0.9m		35	0.6	0.60	0.90	11.34		
	Earthwork for flooring for Outdoor Gym								
	10mx10m		2	10	10.00	0.18	35.00		
							86.34	**187.01**	**16146.44**
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation,plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 (Page No 13., I.No.4.7 of KPWD S.R 2015-16).								
		Cum							
	bed concrete for flooring for Outdoor Gym								
	10mx10m		2	10	10.00	0.15	30.00		
							30.00	**5491.80**	**164754.00**

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity		Total Amount in Rs
3	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (Page No 18., I.No.4.49.1 of KPWD S.R 2015-16).								
		Cum							
	Earthwork for foundation of Outdoor Gym Equipments								
	0.6mx0.6mx0.9m		35	0.6	0.60	0.90	11.34		
							11.34	**6332.04**	**71805.33**
4	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (Page No 109, I.No.14.62 of KPWD S.R 2015-16).								
		Sqm							
	for flooring for Outdoor Gym								
	10mx10m		2	10	10		200.00		
							200.00	**1137.24**	**227448.00**
5	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork,curing,including cost of all materials, labour, hire charges of machinery, loading,unloading, lead and lift, transportation etc., complete. (Page No 25., I.No.5.30 of KPWD S.R 2015-16).								
		Nos							
	around the Out-door-gym								
	(10x4)		178				178.00		
							178.00	**320.76**	**57095.28**
6	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8(Page No 179, I.No.24.1 of KPWD S.R 2015-16).								
		Sqm							
	around the Out-door-gym								
	(10x4)	4 sides	8	10.00		0.35	28.00		

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity		Total Amount in Rs
							28.00	**61.56**	**1723.68**
7	SUPPLYING AND FIXING OF LEG PRESS DOUBLE OF SAFE AREA : 2.8MTR X 1.5 MTR, CENTRE PIPE : 100 NB GI B-CLASS PIPE, SEAT FRAME : 32 NB GI B-CLASS Pipe, BACK REST : LLDP Plastic, SEAT REST : LLDP Plastic, FOOT REST : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, BEARINGS : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), STOPER : PU ROD, NUT BOLTS CAP : Nylon 66 injection moulded, NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER IN CHARGE OF THE WORK.								
		Nos							
	Gym Equipmen for Out-door								
			2				2.00		
							2.00	**90000.00**	**180000.00**
8	SUPPLYING AND FIXING OF FUN WALKER DOUBLE OF SAFE AEA : 3 MTR X 2 MTR, MAIN FRAME : 100 NB GI B-class Pipe, LEG FRAME : 32 NB GI B- CLASS Pipe, HANDLE FRAME : 25 NB GI B-CLASS Pipe, FOOT REST : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOLT CAP : Nylon 66 injection moulded, BEARING : PERMENANT SEALED OF REPUTED MAKE (FAG/SKF), NUT BPLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.								
		Nos							
	Gym Equipmen for Out-door								
			3				3.00		
							3.00	**150000.00**	**450000.00**

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity		Total Amount in Rs
9	SUPPLYING AND FIXING OF PENDULUM DOUBLE OF SAFE AREA : 2.5 MTR X 1 MTR, MAIN FRAME : 100 NB GI B- class Pipe, LEG FRAME : 40 NB GI B- CLASS Pipe, HANDLE FRAME : 25 NB GI B-CLASS Pipe, SEAT : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOULTS CAP : Nylon 66 injection moulded, BEARING : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.								
		Nos							
	Gym Equipmen for Out-door								
			4				4.00		
							4.00	**90000.00**	**360000.00**
10	SUPPLYING AND FIXING OF SHOULDER PRESS DOUBLE OF SAFE AREA : 4 MTR X 2.5 MTR OF CENTRE PIPE : 100 NB GI B-class Pipe, SEAT FRAME : 32 NB GI B-CLASS Pipe, HANDLE FRAME : 32 NB & 15 NB GI B-CLASS Pipe, Handle cover : TPEE injection moulded, SEAT REST : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, BEARINGS : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, NUT BOLT CAP : Nylon 66 injection moulded, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER IN CHARGE OF THE WORK								
		Nos							
	Gym Equipmen for Out-door								
			2				2.00		
							2.00	**180000.00**	**360000.00**

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity		Total Amount in Rs
11	SUPPLYING AND FIXING OF CYCLE TWO WAY OF SAFE AREA : 2.5 MTR X 1 MTR, MAIN FRAME : 100 NB GI B-class Pipe, ARM FRAME : 40 NB GI B-class Pipe, HANDLE FRAME : 20 NB GI B-CLASS Pipe, SEAT : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOLTS CAP : Nylon 66 injection moulded, BEARING : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STEEL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.								
		Nos							
	Gym Equipmen for Out-door								
			2				2.00		
							2.00	**105000.00**	**210000.00**
12	SUPPLYING AND FIXING OF TAI CHI SPINEER DOUBLE OF SAFE AREA : 2 MTR. DIA, MAIN FRAME : 100NB GI B-class Pipe, HANDLE FRAME : 32 NB GI B-CLASS Pipe, SPINNING RING : LLDP Plastic, PIPE CAP : Nylon 66 injection moulded, BEARING CAP : Nylon 66 injection moulded, BEARING HOUSING AND PIN : Seamless Pipe & Round Bar, NUT BOLT CAP : Nylon 66 injection moulded, BEARING : PERMANENT SEALED OF REPUTED MAKE (FAG/SKF), NUT BOLTS : HIGH TENSILE STELL, GALVANISED NUT BOLTS, POWDER COAT : DONE BY PURE POLYURETANE POWDER WITH 70 – 80 MICRON THICKNESS AS PER ENGINEER INCHARGE OF THE WORK.								
		Nos							
	Gym Equipmen for Out-door								
			3				3.00		
							3.00	**90000.00**	**270000.00**